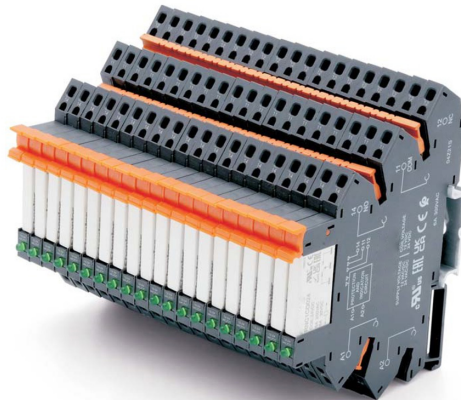


Slim Relay

AVAILABLE FROM
NEPEAN ELECTRONICS



NEPEAN Power is a proven leader in the supply and manufacture of quality engineered solutions, products and technologies. Established in 1994, through the commitment of our dedicated team we have become a supplier of choice.

- Ultra-slim, high sensitivity and low consumption, the maximum load power 6A.
- Reasonable structure, meets environmental protection requirements, the control voltage range can be extended with matching sockets.
- Industrial relays are widely used in the output signal and safety drive of PLC, CNC system, robot, intelligent manufacturing and other control systems. It is the best choice to realize remote control, production and processing, packaging, transportation, testing, storage and other equipment and automatic assembly lines.

Selection Guide RNC-XX-XX-XX-X

- Other Options
- **Blank:** Conventional
 - **A:** Gold Plated Contact
- Coil Voltage Code
- | | | |
|----------------|-----|-----|
| Code | 012 | 024 |
| Voltage (V DC) | 12 | 24 |
- Terminal Arrangement
- **O:** Vertical Pin
- Contact Form
- **1C:** (CO)
- Series

Specifications

Coil Specifications (23°C)				
Nominal Voltage V.DC (0.17W)	5	6	12	24
Coil Resistance Ω	147	212	847	3250
Nominal voltage V.DC (0.21W)	48	60	-	-
Coil Resistance Ω	10971	17143	-	-

Coil resistance: under coil voltage 110V are measured with tolerance of ±10%Ω

Contact Specification

RNC1A, 1C

Electrical Durability

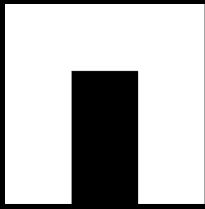
Maximum Switching Capacity

Product Code and Accessories

Part Number	Description
RNC1CO024/05-S-A	Slim relay 1x C/O 24V DC C/W Base 6.3mm
SN20B	Bus Jumper (20 Socket) Insulated 6.3mm
SN64P	ID Label Tag. 64 pcs Suit RNC-Slim Relay 6.3mm
SN20S	Partition Plate Suit RNC-Slim Relay 6.3mm

Configuration Guide





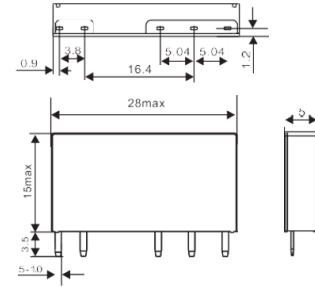
Slim Relay

Characteristics

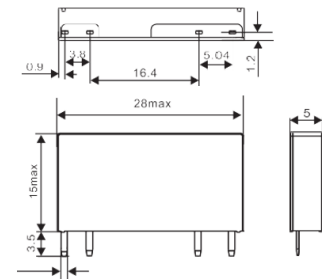
	Configuration	1A,1C
	Load Resistance	6A/250VAC 30VDC
	Max. switching capacity (resistive)	1500VA,180W
	Min. switching capacity	170mW(17V/10mA)
Contact	Initial contact resistance	≤100mΩ (gold plated contact ≤ 30mΩ)
	Material	Ag alloy
	Electrical durability (normal temperature) (frequency 1s on, 5s off)	NO: 6x10 ⁴ Cycles (600 Ops/h); NC: 3x10 ⁴ Cycles (600 Ops/h)
	Mechanical durability	≥2 x 10 ⁷ Cycles (18000 Ops/h)
Pick-up voltage (23°C) (Rated voltage)		DC:≤75%
Drop-out voltage (23°C) (Rated voltage)		DC:≥5%
Maximum voltage (23°C) (Rated voltage)		110%
Insulation resistance		≥1000MΩ (500VDC)
Coil operating power	3~24 VDC	approx. 0.175W
	48~60 VDC	approx. 0.21W
Operate time (at nominal voltage)		≤8ms
Release time (at nominal voltage)		≤4ms
Initial breakdown voltage	Between open contacts	1000VAC/1min (leakage current 1mA)
	Between contacts and coil	4000VAC/1min (leakage current 1mA)
Insulation characteristics IEC 60664 UL840	Rated voltage	250VAC
	Pollution level	3
	Overvoltage level	III
Impulse withstand voltage (waveform: 1.2/50μs)		4000V
Protection level		IP20
Storage temperature/ humidity		-55~+85°C/ ≤85%RH (18 months)
Working temperature/ humidity		-40~+85°C/ 5%~85%RH (No condensation)
Air pressure		86~106KPa
Shock resistance		10G (half-sine shock pulse: 11ms)
Vibration resistance		10~55Hz double-amplitude:1.0mm
Mounting		PCB
Unit weight		approx. 6g

Dimensions (mm)

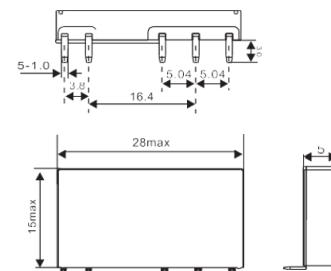
1CO - *Stocked Item



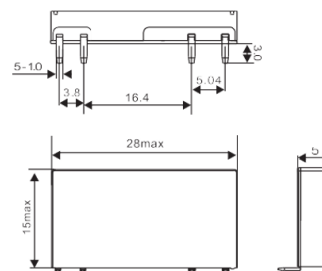
1AO - Indent Only



1CP - Indent Only



1AP - Indent Only



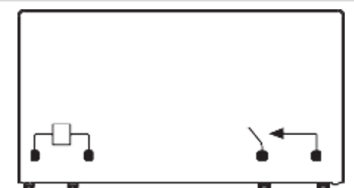
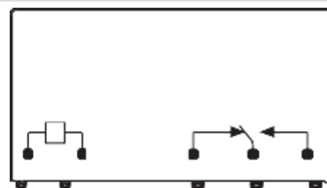
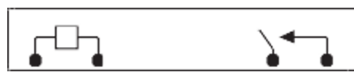
Wiring Diagram

1CO

1AO

1CP

1AP

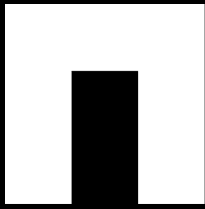


Bottom View

Bottom View

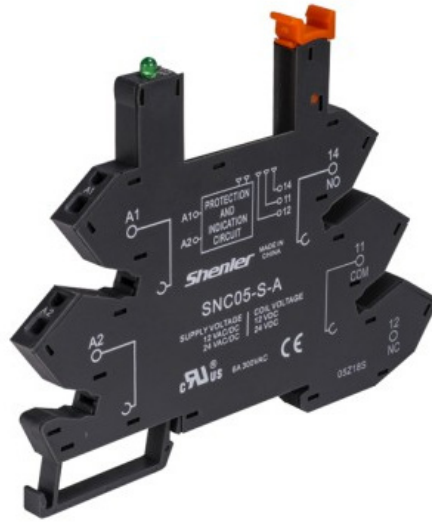
Side View

Side View



Slim Relay - Socket

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Specifications

Model No.	Input	Relay
SNB05-E-AR	6~24VDC	6~24VDC
SNB05-E-A	6~24V	6~24VDC
SNB05-E-B	48V	24VDC
SNB05-E-C	110V	24VDC
SNB05-E-D	230V	48VDC

Characteristics			
Nominal Load	Current	A	8
	Voltage	V	300
Dielectric strength	Between coil and contact	V/min	4000
	Between contacts	V/min	2500
Max. tightening torque	Nm		0.5
Wire size	AWG/mm ²		20-16/0.5-1.5
Ambient temperature	°C		-40~+85
Unit weight	g		19.5

Accessories

Bus Jumper



SN20B

Legend



SN64P

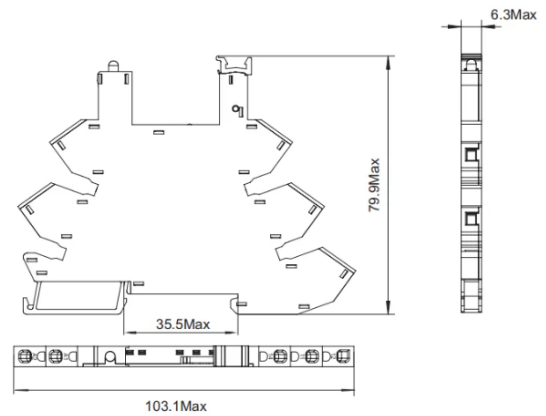
Partition Plate



SN20S

Dimensions

Dimensions (mm)



Connection Diagrams

